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LOGINID:sssptau1831ec

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page for STN Seminar Schedule - N. America
NEWS 2	JAN 08	CHEMLIST enhanced with New Zealand Inventory of Chemicals
NEWS 3	JAN 16	CA/CAplus Company Name Thesaurus enhanced and reloaded
NEWS 4	JAN 16	IPC version 2007.01 thesaurus available on STN
NEWS 5	JAN 16	WPIDS/WPINDEX/WPIX enhanced with IPC 8 reclassification data
NEWS 6	JAN 22	CA/CAplus updated with revised CAS roles
NEWS 7	JAN 22	CA/CAplus enhanced with patent applications from India
NEWS 8	JAN 29	PHAR reloaded with new search and display fields
NEWS 9	JAN 29	CAS Registry Number crossover limit increased to 300,000 in multiple databases
NEWS 10	FEB 15	PATDPASPC enhanced with Drug Approval numbers
NEWS 11	FEB 15	RUSSIAPAT enhanced with pre-1994 records
NEWS 12	FEB 23	KOREAPAT enhanced with IPC 8 features and functionality
NEWS 13	FEB 26	MEDLINE reloaded with enhancements
NEWS 14	FEB 26	EMBASE enhanced with Clinical Trial Number field
NEWS 15	FEB 26	TOXCENTER enhanced with reloaded MEDLINE
NEWS 16	FEB 26	IFICDB/IFIPAT/IFIUDB reloaded with enhancements
NEWS 17	FEB 26	CAS Registry Number crossover limit increased from 10,000 to 300,000 in multiple databases
NEWS 18	MAR 15	WPIDS/WPIX enhanced with new FRAGHITSTR display format
NEWS 19	MAR 16	CASREACT coverage extended
NEWS 20	MAR 20	MARPAT now updated daily
NEWS 21	MAR 22	LWPI reloaded
NEWS 22	MAR 30	RDISCLOSURE reloaded with enhancements
NEWS 23	APR 02	JICST-EPLUS removed from database clusters and STN
NEWS 24	APR 30	GENBANK reloaded and enhanced with Genome Project ID field
NEWS 25	APR 30	CHEMCATS enhanced with 1.2 million new records
NEWS 26	APR 30	CA/CAplus enhanced with 1870-1889 U.S. patent records
NEWS 27	APR 30	INPADOC replaced by INPADOCDB on STN
NEWS 28	MAY 01	New CAS web site launched
NEWS 29	MAY 08	CA/CAplus Indian patent publication number format defined
NEWS 30	MAY 11	RDISCLOSURE on STN Easy enhanced with new search and display fields
NEWS EXPRESS		NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.
NEWS HOURS		STN Operating Hours Plus Help Desk Availability
NEWS LOGIN		Welcome Banner and News Items
NEWS IPC8		For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

result in loss of user privileges and other penalties.

* * * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 10:36:21 ON 14 MAY 2007

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 10:36:34 ON 14 MAY 2007
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 13 MAY 2007 HIGHEST RN 934672-05-6
DICTIONARY FILE UPDATES: 13 MAY 2007 HIGHEST RN 934672-05-6

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

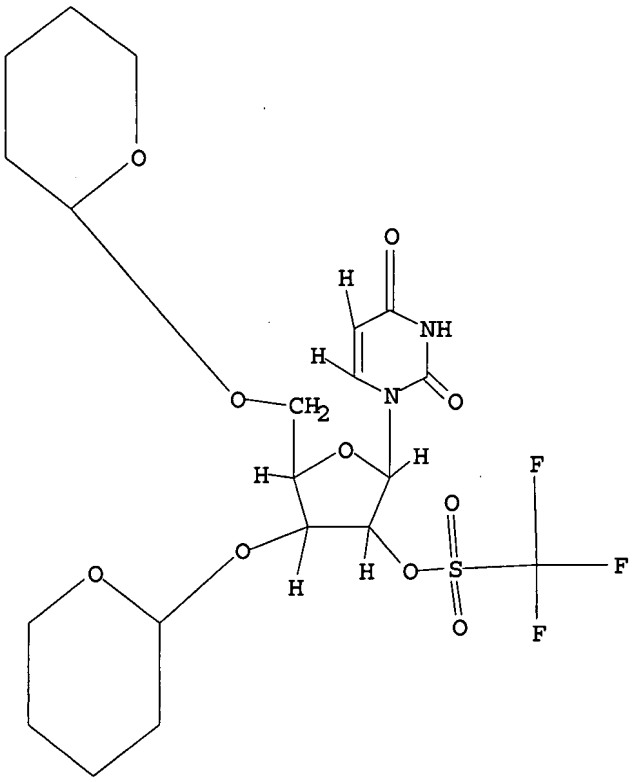
REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading A:\10.552463.R1.Ishii et al..R1.str

L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1 STR



Structure attributes must be viewed using STN Express query preparation.

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=> s l1 sss sam
SAMPLE SEARCH INITIATED 10:42:01 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -        0 TO ITERATE

100.0% PROCESSED         0 ITERATIONS                                0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:            0 TO         0
PROJECTED ANSWERS:               0 TO         0

L2             0 SEA SSS SAM L1

=> s l1 sss full
FULL SEARCH INITIATED 10:42:10 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -        8 TO ITERATE

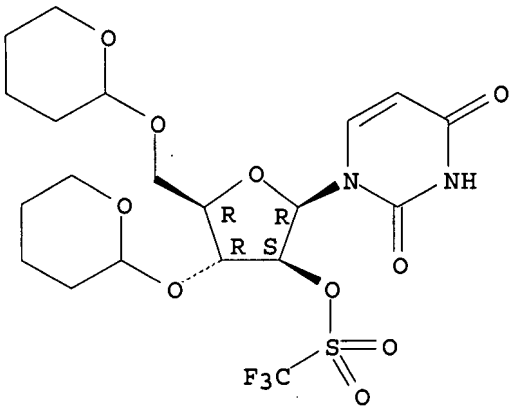
100.0% PROCESSED         8 ITERATIONS                                1 ANSWERS
SEARCH TIME: 00.00.01

L3             1 SEA SSS FUL L1

=> d scan

L3   1 ANSWERS   REGISTRY  COPYRIGHT 2007 ACS on STN
IN   2,4(1H,3H)-Pyrimidinedione, 1-[3,5-bis-O-(tetrahydro-2H-pyran-2-yl)-2-O-
     [(trifluoromethyl)sulfonyl]-β-D-arabinofuranosyl]- (9CI)
MF   C20 H27 F3 N2 O10 S

Absolute stereochemistry.
```



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> file CAplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	176.15	176.36

FILE 'CAPLUS' ENTERED AT 10:42:28 ON 14 MAY 2007
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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FILE COVERS 1907 - 14 May 2007 VOL 146 ISS 21
FILE LAST UPDATED: 13 May 2007 (20070513/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

http://www.cas.org/infopolicy.html

=> d his

(FILE 'HOME' ENTERED AT 10:36:21 ON 14 MAY 2007)

FILE 'REGISTRY' ENTERED AT 10:36:34 ON 14 MAY 2007
L1 STRUCTURE UPLOADED
L2 0 S L1 SSS SAM
L3 1 S L1 SSS FULL

FILE 'CAPLUS' ENTERED AT 10:42:28 ON 14 MAY 2007

```
=> s l3 ed ibib abs hitstr
MISSING OPERATOR L3 ED
The search profile that was entered contains terms or
nested terms that are not separated by a logical operator.

=> s l3
L4            1 L3

=> d l4 ed ibib abs hitstr

L4   ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2007 ACS on STN
ED   Entered STN:  22 Oct 2004
ACCESSION NUMBER:         2004:878406  CAPLUS
DOCUMENT NUMBER:          141:350364
TITLE:                    Process for producing 2'-deoxy-2'-fluorouridine
INVENTOR(S):              Ishi, Akihiro; Ootsuka, Takashi; Kanai, Masatomi;
                          Kuriyama, Yokusu; Yasumoto, Manabu; Inomiya, Kenjin;
                          Ueda, Koji
PATENT ASSIGNEE(S):       Central Glass Company, Limited, Japan
SOURCE:                   PCT Int. Appl., 57 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 Japanese
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.           KIND   DATE        APPLICATION NO.         DATE
     ---------------      ----   --------    --------------------    --------
     WO 2004089968         A1    20041021    WO 2004-JP5109          20040409
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
             CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
             GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK,
             LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO,
             NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ,
             TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
         RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ,
             BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE,
             ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,
             SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN,
             TD, TG
     JP 2004323518         A     20041118    JP 2004-115270          20040409
     EP 1612213            A1    20060104    EP 2004-726789          20040409
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR
     CN 1795200            A     20060628    CN 2004-80014679        20040409
     US 2006247433         A1    20061102    US 2005-552463          20051007
PRIORITY APPLN. INFO.:                       JP 2003-106849      A   20030410
                                             WO 2004-JP5109      W   20040409
OTHER SOURCE(S):          CASREACT 141:350364; MARPAT 141:350364
GI
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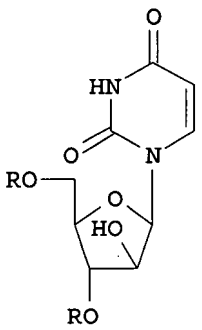
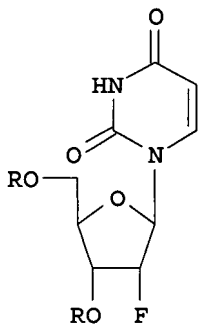


I



II

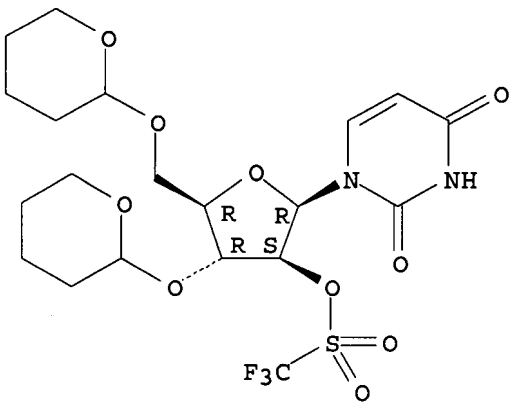
AB 1-β-D-Arabinofuranosyluracil in a 3',5'-hydroxy-protected form (I; R = hydroxy-protecting group; R1 = H) is reacted with a trifluoromethanesulfonylating agent in the presence of an organic base to convert it into a 2'-triflate form I (R = same as above, R1 = SO2CF3) and this compound is reacted with a fluorinating agent comprising "a salt or complex comprising an organic base and hydrofluoric acid" to produce 2'-deoxy-2'-fluorouridine in a 3',5'-hydroxy-protected form II (R = same as above). An agent for eliminating the protective groups is further caused to act on the protected compound to obtain 2'-deoxy-2'-fluorouridine II (R = H). The 2'-deoxy-2'-fluorouridine obtained can be efficiently purified by temporarily converting it into a 3',5'-diacetyl form, recrystg. the 3',5'-diacetyl form II (R = Ac), and then deacetylating it. Thereby, high-purity 2'-deoxy-2'-fluorouridine can be produced. Thus, 142.90 g I (R = THP, R1 = H), 290 mL DMF, 87.12 g Et3N were added to a SUS pressure vessel, cooled to -54° (inner temperature), treated with 45.00 g CF3SO2F, and warmed to -20° over 2 h 30 min with stirring to give a reaction mixture containing the triflate I (R = THP, R1 = SO2CF3) which was treated with 118.00 g Et3N.3HF at -20° and stirred at room temperature for 62 h 45 min to give, after workup, crude II (R = THP). II (R = THP) (177.18 g) was stirred with 13.80 g p-MeC6H4SO3H.H2O in 150 mL MeOH at room temperature for 16 h 30 min, treated with 6.88 g pyridine, and concentrated to give crude II (R = H) which was acetylated by 54.10 g Ac2O in 68.46 g pyridine at room temperature for 19 h to give 58.00 g II (R = Ac) (90.17% purity). II (R = Ac) (58.00 g) was recrystd. twice from methanol/H2O (330/120 and 200/100 mL) to give 66% II (R = Ac) (99.95% purity) which (5.00 g) was stirred with 12.89 g NH3 in 50 mL MeOH at room temperature for 6 h 30 min to give 6.77 g high-purity II (R = H).

IT 774611-26-6P
RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of 2'-deoxy-2'-fluorouridine by triflation of 3',4'-O-protected β-D-arabinofuranosyluracil, fluorination, and deprotection)

RN 774611-26-6 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 1-[3,5-bis-O-(tetrahydro-2H-pyran-2-yl)-2-O-[(trifluoromethyl)sulfonyl]-β-D-arabinofuranosyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d his

(FILE 'HOME' ENTERED AT 10:36:21 ON 14 MAY 2007)

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     FILE 'REGISTRY' ENTERED AT 10:36:34 ON 14 MAY 2007
L1                STRUCTURE UPLOADED
L2              0 S L1 SSS SAM
L3              1 S L1 SSS FULL

     FILE 'CAPLUS' ENTERED AT 10:42:28 ON 14 MAY 2007
L4              1 S L3

=> d his

     (FILE 'HOME' ENTERED AT 10:36:21 ON 14 MAY 2007)

     FILE 'REGISTRY' ENTERED AT 10:36:34 ON 14 MAY 2007
L1                STRUCTURE UPLOADED
L2              0 S L1 SSS SAM
L3              1 S L1 SSS FULL

     FILE 'CAPLUS' ENTERED AT 10:42:28 ON 14 MAY 2007
L4              1 S L3

=> d his

     (FILE 'HOME' ENTERED AT 10:36:21 ON 14 MAY 2007)

     FILE 'REGISTRY' ENTERED AT 10:36:34 ON 14 MAY 2007
L1                STRUCTURE UPLOADED
L2              0 S L1 SSS SAM
L3              1 S L1 SSS FULL

     FILE 'CAPLUS' ENTERED AT 10:42:28 ON 14 MAY 2007
L4              1 S L3

=> d his

     (FILE 'HOME' ENTERED AT 10:36:21 ON 14 MAY 2007)

     FILE 'REGISTRY' ENTERED AT 10:36:34 ON 14 MAY 2007
L1                STRUCTURE UPLOADED
L2              0 S L1 SSS SAM
L3              1 S L1 SSS FULL

     FILE 'CAPLUS' ENTERED AT 10:42:28 ON 14 MAY 2007
L4              1 S L3
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